

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

FIGURE 1

CD8 α -chain sequences

NM_001768 & M27161
Homo sapiens (Human)
Complete CD8 alpha mRNA

Predicted polypeptide sequence

MALPVTALLLPLALLLHAARPSQFRVSPLDRTWNLGETVELKCQ
VLLSNPTSGCSWLFQPRGAAASPTFLLYLSQNKPKAAEGLDTRFSGKRLGDTFVLT
SDFRRENEGYYFCSALSNSIMYFSHFVPVFLPAKPTTTPAPRPPTPAPTIASQPLSLR
PEACRPAAGGAVHTRGLDFACDIYWAPLAGTCGVLLLSLVITLYCNHRNRRRVCKCP
RPVVKSGDKPSLSARYV

mRNA

1 gaaatcaggc tccgggcccgc ccgaagggcg caactttccc cctcggcgc cccaccggct
61 cccgcgcgcc tcccctcgcg ccgagcctc gagccaagca gcgtcctggg gagcgcgtca
121 tggccttacc agtgaccgcc ttgctctgc cgctggcctt gctgtccac gccgccaggc
181 cgagccagtt ccgggtgtcg ccgctggatc ggacctggaa cctgggcgag acagtggagc
241 tgaagtcca ggtgctgctg tccaaccga cgctgggctg ctctggctc ttccagccgc
301 gcggcgccgc cgccagtccc accttctcc tataccttc caaaaacaag cccaaggcgg
361 ccgaggggct ggacaccag cggttctcg gcaagaggtt gggggacacc ttcgtctca
421 cctgagcga ctccgccga gagaacgagg gctactatt ctgctggcc ctgagcaact
481 ccatcatgta ctccagccac ttcgtgccg tcttctgcc agcgaagccc accacgacgc
541 cagcgccgcg accaccaaca ccggcgcca ccatcgctc gcagcccctg tccctgcgc
601 cagaggcgtg ccggccagcg gcggggggcg cagtgcacac gagggggctg gacttcgcct
661 gtgatatcta catctggcg cccttgccg ggacttgtg ggtcctctc ctgtactgg
721 ttaccacct ttactgcaac cacaggaacc gaagacgtg ttgcaaatg ccccggcctg
781 tggtaaatac gggagacaag ccagccctt cggcgagata cgtctaacc tgtgcaacag
841 ccactacatt actcaaact gagatcctc ctttgaggg agcaagtct tcccttcat
901 ttttccagt cttctccct gtgtattcat tctcatgatt attatttag tggggcggg
961 gtgggaaaga ttacttttc ttatgtgt tgacgggaaa caaaactagg taaaatctac
1021 agtacaccac aagggtcaca atactgtgt ggcacatcg cggtagggcg tggaaagggg
1081 caggccagag ctaccgcag agttctcaga atcatgtga gagagctgga ggcacccatg
1141 ccatctcaac ctctcccg cccgtttac aaagggggag gctaaagccc agagacagct
1201 tgatcaaagg cacacagcaa gtcagggtg gagcagtagc tggagggacc ttgtctcca
1261 gtcagggct cttctcca caccatcag gtccttctt ccaggcccc tgtctcagg

FIGURE 1

1321 tgagggtgctt gagtctccaa cggcaaggga acaagtactt ctgatacct gggatactgt
1381 gcccagagcc tcgaggaggt aatgaattaa agaagagaac tgccttggc agagttctat
1441 aatgtaaaca atatcagact tttttttt ataatacagc ctaaaattgt atagacctaa
1501 aataaaatga agtggtgagc ttaaccctgg aaaatgaatc cctctatctc taaagaaaat
1561 ctctgtgaaa cccctatgtg gaggcggaat tgctctcca gccctgcat tgcagagggg
1621 cccatgaaag aggacaggct acccctttac aaatagaatt tgagcatcag tgaggtaaa
1681 ctaaggccct ctgaaatctc tgaattgag atacaaacat gttcctggga tcactgatga
1741 ctttttatac ttgttaaaga caattgttg agagcccctc acacagccct ggcctctgct
1801 caactagcag atacagggat gaggcagacc tgactctctt aaggaggctg agagcccaaa
1861 ctgctgtccc aaacatgcac ttcttgctt aaggatggt acaagcaatg cctgccatt
1921 ggagagaaaa aacttaagta gataaggaaa taagaaccac tcataattct tcaccttagg
1981 aataatctcc tgtaatatg gtgtacattc ttctgatta tttctacac atacatgtaa
2041 aatatgtctt tottttttaa ataggggtgt actatgctgt tatgagtggc ttaatgaat
2101 aaacatttgt agcatcctct ttaatgggta aacagcaaaa aaaaaaaaaa aaaaaaaaaa
2161 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa
2221 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a

FIGURE 1

NM_171827

Homo sapiens secreted protein derived from alternate transcript

Predicted polypeptide

MALPVTALLLPLALLLHAARPSQFRVSPLDRTWNLGETVELKCQVLLSNPTSGCSWLFQPRGAAASPTFL
LYLSQNKPKAAEGLDTRFSGKRLGDTFVLTLSDFRRENEGYFCSALSNSIMYFSHFVPVFLPAKPTTT
PAPRPPTPAPTIASQPLSLRPEACRPAAGGAGNRRRVCKCPRPVVKSGDKPSLSARYV

mRNA

1 gaaatcaggc tccgggccgg ccgaagggcg caactttccc ccctcggcgc cccaccggct
61 cccgcgcgcc tcccctcgg cccgagcttc gagccaagca gcgtcctggg gagcgcgtca
121 tggccttacc agtgaccgcc ttgctctgc cgctggcctt gctgctccac gccgccaggc
181 cgagccagtt ccgggtgtcg ccgctggatc ggacctggaa cctgggagag acagtggagc
241 tgaagtcca ggtgctgtg tccaaccga cgtcgggctg ctgctggctc ttccagccgc
301 gcggcgccgc cgccagtccc accttctcc tacccttc ccaaaacaag cccaaggcgg
361 ccgaggggct ggacacccag cggttctcg gcaagaggtt gggggacacc ttgctctca
421 ccctgagcga ctccgccga gagaacgagg gctactatt ctgctcgcc ctgagcaact
481 ccatcatgta ctccagccac ttctgcccg tcttctgcc agcgaagccc accacgacgc
541 cagcgccgcg accaccaaca ccggcgccca ccatcgctc gcagcccctg tccctgcgcc
601 cagaggcgtg ccggccagcg gcggggggcg caggaaccg aagacgtgt tgc aaatgtc
661 cccggcctgt ggtcaaatcg ggagacaagc ccagccttc ggcgagatac gtctaaccct
721 gtgcaacagc cactacatta ctcaaactg agatcctcc tttagaggga gcaagtcctt
781 ccccttcatt ttctcagtc ttctccctg tgtattcatt ctcatgatta ttatttagt
841 gggggcgggg tgggaaagat tactttttt ttatgtgtt gacgggaaac aaaactaggt
901 aaaatctaca gtacaccaca agggtcacaa tactgtgtg cgcacatgc ggtagggcgt
961 ggaaaggggc agggcagagc taccgcaga gttctcagaa tcatgctgag agagctggag
1021 gcacccatgc catctcaacc tctcccccgc ccgttttaca aagggggagg ctaaagccca
1081 gagacagctt gatcaaaggc acacagcaag tcagggttg agcagtagct ggagggacct
1141 tgtctcccag ctgagggtc ttctccac accattcagg tcttcttc cgaggccct
1201 gtctcagggt gaggtgctg agtctcaac ggcaaggga caagtactc ttgatactg
1261 ggatactgt ccagagcct cgaggagga atgaattaa gaagagaact gccttggca
1321 gaggctata atgaaacaa tatcagact ttttttta taatcaagcc taaaattgta
1381 tagacctaaa ataaatgaa gtggtgagct taacctgga aatgaatcc ctctatctt
1441 aaagaaaatc tctgtgaaac cctatgtg aggcggaatt gctctccag ccttgcat
1501 gcagaggggc ccatgaaaga ggacaggcta ccccttaca aatagaatt gagcatcagt
1561 gaggttaaac taaggccctc ttgaatctt gaatttgaga tacaacatg ttctgggat
1621 cactgatgac ttttatact ttgtaaagac aattgttgga gagccctca cacagccctg
1681 gcctctgctc aactagcaga tacagggatg aggcagacct gactcttta aggaggctga

FIGURE 1

1741 gagcccaaac tgctgtccca aacatgcact tccttgctta aggtatggta caagcaatgc
1801 ctgcccattg gagagaaaaa acttaagtag ataaggaaat aagaaccact cataattctt
1861 caccttagga ataatctcct gtaatatgg tgtacattct tcctgattat ttctacaca
1921 tacatgtaaa atatgtcttt ctttttaaa taggggtgta ctatgctgtt atgagtggct
1981 ttaatgaata aacatttgta gcatcctctt taatgggtaa acagcaaaaa aaaaaaaaaa
2041 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa
2101 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa

FIGURE 1

X60223
Pongo pygmaeus (Orangutan)
Complete CD8 alpha mRNA

Predicted polypeptide

MALPVTALLLPLALLLHAARPSQFRVSPLDRTWNLGETVELKCQ
VLLSNPTSGCSWLFQPRGAAASPTFLLYLSQNKPKAAEGLDTRFSGKRLGDTFVLT
SDFRRENEGYYFCSALSNSIMYFSHFVPVFLPVHTRGLDFACDIYWAPLAGTCGVLL
LSLVITLYCNHRNRRRVCKCPRPVKSGGKPSLSERYV

mRNA

1 atggccttac ccgtagccgc ctgtctctg ccgctggcct tgctgtcca cgccgccagg
61 ccgagccagt tccgggtgtc gccgctggat cggacctgga acctgggcca gacggtggag
121 ctgaagtgcc aggtgtgtct gtccaacccg acgtctggct gctctggct cttccagccg
181 cgtggcgccg ccgccagtcc caccttctc ctatacctt cccaaaacaa gccaaggcg
241 gccgaggggc tggacacca gcggttctc ggcaagaggt tgggggacac ctctctctc
301 acctgagcg acttcgccg ggagaacgaa ggctactatt tctgtcggc cctgagcaac
361 tccatcatgt actcagcca ctctgtgcc gtcttctgc cagtgcacac gagggggctg
421 gacttcgct gtgatatcta catctggcg cccttgccg ggacctgtg ggtcttctc
481 ctgtcactgg ttatcacct ttactgcaac cacaggaacc gaagacgtgt ttgcaaagt
541 ccccgccctg tggtaaatac tggaggcaag cccagcctt cggagagata tgtctaa

FIGURE 1

XM_132621 & BC030679 & U34881
Mus musculus (Mouse)
Complete CD8 alpha mRNA

Predicted polypeptide

MASPLTRFLSLNLLLLGESIILGSGEAKPQAPELRIFPKMDAE
LGQKVDLVCEVLGVSVSQGCSWLFQNSSSKLPQPTFVVYMASSHNKITWDEKLNSSKLF
SAMRDTNNKYVLTlnkfskenegyyfcsvisnsVMYFSSVVPVLQKVNSTTTKPVLR
PSPVHPTGTSQPQRPEDCRPRGSVKGTGLDFACDIYWAPLAGICVALLLSLIITLIC
YHRSRKRVCCKPSIACLCLKLQGSKWYESVICsALAVSIRCnkSKSGELPLAVHLDIR
APCKNWEIAGSLVERYGKSGKHSPLSLKAVVESN

mRNA

1 atggcctcac cgttgacccg ctttctgctg ctgaacctgc tgctgctggg tgagtogatt
61 atcctgggga gtggagaagc taagccacag gcaccogaac tccgaatctt tccaaagaaa
121 atggacgccg aacttggtca gaagggtggac ctggtatgtg aagtgttggg gtccgtttcg
181 caaggatgct ctggctctt ccagaactcc agctccaaac tccccagacc caccttcgtt
241 gtctatatgg cttcatccca caacaagata acgtgggacg agaagctgaa ttctgcgaaa
301 ctgttttctg ccatgagggg cacgaataat aagtacgttc tcacctgaa caagttcagc
361 aaggaaaacg aaggctacta ttctgtctca gtcatcagca actcgggtgat gtacttcagt
421 tctgtctgct cagtccttca gaaagtgaac ttactacta ccaagccagt gctgcgaact
481 ccctcacctg tgcaccctac cgggacatct cagccccaga gaccagaaga ttgtcggccc
541 cgtggctcag tgaaggggac cggattggac ttgcctgtg atatttcat ctgggcaccc
601 ttggccggaa tctgcgtggc cttctgctg tcttgatca tcacttcat ctgctaccac
661 aggagccgaa agcgtgttg caaatgtccc agtatagcat gcttgtgcct caaactgcaa
721 ggaagcaagt ggtatgaatc tgtgatctgc tcagctctgg ctgtgagcat cagatgtaac
781 aatcaaagt caggagaact gcctttagcg gtgcacctgg acatcagagc cccttgaag
841 aactgggaaa ttgctggcag tctagtggag cggtagcgta aatctggaaa acactccct
901 ctgtcactga aggtcttagt agaatccaat taa

Predicted polypeptide

MDAELGQKVDLVCEVLGVSVSQGCSWLFQNSSSKLPQPTFVVYMA
SSHNKITWDEKLNSSKLFsAMRDTNNKYVLTlnkfskenegyyfcsvisnsVMYFSSV
VPVLQKVNSTTTKPVLRTPSPVHPTGTSQPQRPEDCRPRGSVKGTGLDFACDIYWAP
LAGICVALLLSLIITLICyHRSRKRVCCKPRPLVRQEGKPRPSEKIV

FIGURE 1

mRNA

1 cgttgacccg cttctgtcg ctgaacctgc tgctgctggg tgagtcgatt atcctgggga
61 gtggagaagc taagccacag gcacccgaac tccgaatctt tccaaagaaa atggacgccg
121 aacttggtca gaagggtggac ctggtatgtg aagtgttggg gtccgtttcg caaggatgct
181 cttgdtctt ccagaactcc agctccaaac tccccagcc caccttcgtt gtctatatgg
241 cttcatcca caacaagata acgtgggacg agaagctgaa ttgctgaaa ctgttttctg
301 ccatgagggg cacgaataat aagtacgttc tcacctgaa caagttcagc aaggaaaacg
361 aaggctacta ttctgtctca gtcatcagca actcgggtgat gtacttcagt tctgtcgtgc
421 cagtcctca gaaagtgaac tctactacta ccaagccagt gctgcgaact ccctcacctg
481 tgcacctac cgggacatct cagccccaga gaccagaaga ttgtcggccc cgtggctcag
541 tgaaggggac cggattggac ttgcctgtg atatttacct ctgggcaccc ttggccggaa
601 tctgcgtggc cttctgctg tccttgatca tcacttcat ctgctaccac aggagccgaa
661 agcgtgtttg caaatgtccc aggccgctag tcagacagga aggcaagccc agaccttcag
721 agaaaattgt gtaaaatggc accgccagga agctacaact actacatgac ttcagatctc
781 ttcttgcaag aggccaggcc ctcccttttc aagtttctg ctgtcttatg tattgccctc
841 tgtattgtt tagtaggggt gtgatgggga cagttcctt ttcttatga attctcttg
901 acacaaagca tacttgtatg catacaatgg gagtaatgag cagactgtaa caccagagct
961 agttccagtt tcgggtcca tgcgctggt ggctcagca cccactgat ataaatctcc
1021 tgtctgccc tcatatagaa gaagctgaag atcagagggtg gaaacagcag gatctgtaga
1081 cccggagaga acccaagcta gaggaacct cactgactgg tgcagggatc tcacccccat
1141 cccctgagct ctctgttag gtatgtgtct ttagtatagc atgctgtgc ctcaaactgc
1201 aaggaagcaa gtggtatgaa tctgtgatct gctcagctct ggctgtgagc atcagatgta
1261 acaaatcaaa gtcaggagaa ctgcctttag cgggtcacct ggacatcaga gccccttgta
1321 agaactggga aattgctggc agtctagtg agcggtagcg taaatctgga aaacactccc
1381 ctctgtcact gaaggctgta gtagaatcca attaaagcta ttcaaaccac aaaaaaaaaa
1441 aaaaaaaaaa aa

Predicted polypeptide

MASPLTRFLSLNLLLMGESIILGSGEAKPQAPELRIFPKMDAE
LGQKVDLVCEVLGVSQGC SWLFQNSSSKLPQPTFVVMASSHNKITWDEKLNSSKLF
SAVRDTNNKYVLTlnkfskenegyyfcsvisnsVMYFSSVVPVLQKVNSTTKPVLRT
PSPVHPTGTSQPQRPEDCRPRGSVKGTGLDFACDIYWAPLAGICVAPLLSLIITLIC
YHRSRKRVC KPRPLVRQEGKPRPSEKIV

mRNA

FIGURE 1

1 atggcctcac cggtgacccg cttctgtcg ctgaacctgc tgctgatggg tgagtcgatt
61 atcctgggga gtggagaagc taagccacag gcacccgaac tccgaatctt tccaaagaaa
121 atggacgccg aacttgcca gaaggtggac ctggtatgtg aagtgttggg gtccgtttcg
181 caaggatgct cttggctctt ccagaactcc agctccaaac tccccagcc caccttcgtt
241 gtctatatgg ctcatccca caacaagata acgtgggacg agaagctgaa ttctcgaaa
301 ctgtttctg ccgtgagga cacgaataat aagtacgttc tcacctgaa caagtcagc
361 aaggaaaacg aaggctacta ttctgtca gtcacagca actcgggat gtacttcagt
421 tctgtgtgc cagtcctca gaaagtgaac tctactacta ccaagccagt gtcggaact
481 cctcacctg tgcacctac cgggacatct cagccccaga gaccagaaga ttgtggccc
541 cgtggctcag tgaaggggac cggattggac ttcgctgtg atattacat ctgggcaccc
601 ttggccgaa tctgcgtggc cctctgtg tcttgatca tctctcat ctgtaccac
661 aggagccgaa agcgtgttg caaatgtcc aggccgctag tcagacagga aggcaagccc
721 agacctcag agaaaattgt gtaa

FIGURE 1

NM_031538
Rattus norvegicus (Rat)
Complete CD8 alpha mRNA

Predicted polypeptide

MASRVICFLSLNLLLLDVITRLQVSGQLQLSPKKVD AEIGQEVK
LTCEVLRDTSQGCSWLFRNSSSELLQPTFIIYVSSSRSKLNDILDPNLF SARKENNKY
ILTLSKFSTKNQGYFCSITSNSVMYFSPLVPVFQKVN SIITKPVTRAPTPVPPPTGT
PRPLRPEACRPGASGSVEGMGLGFACDIYIWAPLAGICAVLLLLSLVITLICCHRNRRR
VCKCPRPLVKPRPSEKFV

mRNA

1 ccctagagcc ctactgtgac ctaaggtgct ggtgggacgc acaccatggc ctcacgggtg
61 atctgcttc tgcgctgaa cctgctactg ctggatgta tcaactaggct ccaggtttcc
121 ggacagtac agttgtcacc aaagaaagt gacgctgaaa ttggccagga ggtgaagcta
181 acatgcgaag tgctgcgga cacttcgcaa ggatgctctt ggctcttcg gaactccagc
241 tccgaactcc tccagccac ctctcatc tatgtatct catcccgag caagctgaac
301 gatatactgg atccgaatct gttctctgcc cggaaggaaa acaacaata catcctcacc
361 ctgagcaagt tcagcactaa aaaccaaggc tactattct gctcaatcac cagcaactcg
421 gtgatgtact tcagtctct ggtgccggtg ttcagaaag tgaactctat taccaccaag
481 ccggtgacgc gagctccac accagtgcct cctctacag ggacaccccg gccctacga
541 ccagaagctt gccgaccgg ggcgagtggc tcagtggagg gaatgggatt gggcttcgcc
601 tgcgatattt acatctgggc acccttgcc ggaatctgc cggttctct gctgtccctg
661 gtcactactc tcactgtctg ccacaggaac cgaaggcgtg ttgcaaatg tcccaggccc
721 ctgtcaagc ccagacctc agagaaattc gtgtaaaatg gcgccactag gaagccacaa
781 ctactacatg acttcagaga ttctcaca gagaccgggc cctcctttt cagagtttcc
841 tgctggctta tataatgtcc tctgtattgt tttaggggta ggatggggac agttccttt
901 tctttatgaa ttctcttga tacaaaacat actgtatgc acacaatgg gtaaagatca
961 gactgtaaca ccagagatag tccagttc agggtcagcg tagctgggtg

FIGURE 1

AY303773

Cavia porcellus (Guinea Pig)

Complete CD8 alpha mRNA

Predicted polypeptide

MAPRGSAWLLLLPVALLLDAATAQGASQFRMSPRELVAQVGTKV

TLRCEVLVPNAPAGCSWLFQPRHDAKGPTFLLYHSASGTKLAPGLEQKRFSPSKSSNT

YTLTVNSFQKRDEGYFCSVSGNMMLYFSPFVPVFLPAPRTTTPPPPTTPTPSVQPT

SVRPETCVVSKGAAGARWLDLSCDVYIWAPLASTCAALLLALVITIICHRRNRQRVCK

CPRPQARSGGKPSPSGKLV

mRNA

1 gcaacttccc cactgcgcat cccttggtc ctggtggctc ctggcggct cccttcacgc
61 ctggactcca ggctctgccc tgcgccgagg agcgcgcgcc atggccccgc gaggaagcgc
121 ctggctgtg ctgctgccgg tggcctgct gctgcagcc gccacggccc aagggtgccag
181 tcagttccga atgtacccc gtgaactggt cgcgcaagtc ggcaccaaag tgacctgctg
241 ctgtgagggt ctggtgccta acgcgcggc gggatgctg tggctctcc agccccgcca
301 cgacgcaaaa ggtcccacct tcctcctgta ccattcggcg tccgggacca agttggcccc
361 agggctgga cagaagcgt tcagcccctc gaagagcagt aacacctaca ccctcacggt
421 gaacagcttc cagaagcgag acgaaggcta ctactctgc tcggtctcg gcaacatgat
481 gctctacttc agcccgctg tcccgtctt cctgccagct cctgcacca cgacgcccc
541 tccccctccc accacgccga ccccagcgt gcagcccacg tcggtgcgcc ccgagacgtg
601 tgtgtctct aagggcgag caggtgcgag gtggctggt ctctcctgt atgtctacat
661 ctgggcgccc ctggccagca catgcgcggc cctctgctg gcactggta tcacgatcat
721 ctgccaccgc aggaacagac aacgcgttg caaatgtct aggccccag ccaggctctg
781 aggcaaacc agccctcag ggaagtagt ctaacaacat ggcgccagc ctgtgcgaag
841 ccactacatg actttact gagatcatt ctggacagc aagtgtctt ctttgggt
901 tccagctt cctcctatg tattgttct cactactt ttagtggga tgggtggga
961 agagtgctt ttctgtaga caaaaaataa aacctgtag catctgcag tcacaagggt
1021 cacagggctg ttacctaca caggggttag gtagcaagc agggctctca ggtactggaa
1081 ttactcctt ccactcact tgagggtag cagcaccac ggtcattta tccctcatca
1141 tgctctcca ccacttgag ctcatgccc acccaaagag cagtctat aaaccaggc
1201 caaacatg caactgctt tgaaccga gagcctaatt tatctcaga gaatgcaagt
1261 gctcctgt cactatc ttgcatga ccttaataa atgtctgt ttcctcaa
1321 aaaaaaaaa

FIGURE 1

NM_174015
Bos taurus (Cow)
Complete CD8 alpha mRNA

Predicted polypeptide

MASLLTALILPLALLLLDAAKVLGSLSRMSPTQKETRLGEKVE
LQCELLQSGMATGCSWLRHIPGDDPRPTFLMYLSAQRVKLAEGLDPRHISGAKVSGTK
FQLTLSSFLQEDQGYFCSVVSNSILYFSNFVPVFLPAKPATTPAMRPSSAAPTSAPO
TRSVSPRSEVCRTSAGSAVDTSRLDFACNIYIWAPLVGTCGVLLLSLVITGICYRRNR
RRVCKCPRPVVRQGGKPNLSEKYV

mRNA

1 gaattcggat ccaccatggc ctactcttg accgccctga tctgcccgt gccctgctg
61 ctgctgatg ccgccaaggt cctcggtcg ctctgttc ggatgtgcc gacgcagaag
121 gagaccagac tggcgagaa ggtggagctg caatgcgagt tgctgcagtc cgcatggcg
181 acaggggtct cctggctccg ccacataccc ggggacgacc ccagaccac ctctctaatg
241 taccctccg cccaacgggt caagctagcc gagggactgg acccagaca cattccggc
301 gccaaagtct ccggcaccaa attccagctc accctgagca gcttctcca ggaggacaa
361 ggctactatt ttgctcggg cgtgagcaac tcgatactgt acttcagtaa ctctgtcct
421 gtctcttc cagcgaagcc ggccaccacg ccggcgatgc ggccatccag cgcggcgccc
481 accagcgcg cgcagactag gtcggtctc ccgcgatcag aggtgtgcc gacctggcg
541 ggcagcgcg tggacacgag ccggctggac ttgcctgca atatctacat ctgggtccc
601 ttggtcgga cctgcggcg cctctcctg tcatgtgtca tcacaggcat ctgtaccgc
661 cggaaccgaa gacgtgtctg caaatgtccc aggcctgtgg tccgacaagg aggcaagccc
721 aaccttcag agaaatatgt ctaacatggc gatgggccc gtgtgacagc cactacaaga
781 ctgcactg agaactcctc tgagatcctt cctttgat ttctccctgc ttcctcct
841 ctgttatta ttattttca tgggggtggg gtggaagag ttacttttc ttattatt
901 acttgatac aaaacaagac actcgtgtct aaggcatacc acaagggtta tcatgtgt
961 gtgtcccat actcgggtg agggcggcg ggccagagct accgcaagct ctattctag
1021 aacctggctg tgagaactgg tggggcctc ggcaccact cagcccaac ttctctcca
1081 cccatttac aaaagaggac gctgaggccc agagatggg aacagctgga tcagagctcc
1141 agcagggtc cacacaactg agatcttct tctggaggcc tctgtctag cgtggggagc
1201 tggatctcaa gccagaga actagtatt tctgaagcat ctgtataga ccatgactg
1261 caccagagc ctcatgagg taatgaaata ggacaagaaa acttgacaga gttctgtgat
1321 actgtgaac aggatcagat tattttttt ataataagc atgaaatgat acagataata
1381 ggaattctc caatgaagt gaaggagtga actgaatgat ggaaatgag caacctgacc
1441 tctgaagaaa atctctgga aatccagcc tggagatgt tctccagcc ctgtattgc

FIGURE 1

1501 agaaggaccc tcaaagagga gaggccaccc tctgcaagca tgatttgagc gttaggaaag
1561 ttgaatggag ttcaagtctc tctaaacatt gagattccgt attcaaacat gctcctgggt
1621 tatcggtagag ttttatagt ttgtaaaggg agaattgtga ccgagcagct ggcacaggcc
1681 ctggcacccc aggctagcag ctgaggggaat gtgcagacac tggtagaggag gctacgagcc
1741 cagctgcagc cctacaaggc atttccttcc ttactgtgtt ctgcaaaaaa tgcattgctca
1801 ctgggagaaaa aaatgtagct aaggtagtaa gaatcatccg taattcttta cctcaggat
1861 aatcattgt taatattatg ggctacattc ttctgatta tttctgtgc cctacatata
1921 aaatataata ttttaaaaaa tgggattgca ctatgcttt ataatggct ttaataaaca
1981 aacatttatg gcttacttct t

FIGURE 1

AY517855
Sus scrofa (Domestic pig)
Complete CD8 alpha mRNA

Predicted polypeptide

VELQCELMHSNTLTSCSWLYQKPGAASKPIFLMYLSKTRNKTAE
GLDTRYISGYKANDNFYLILHRFREEDQGYFFCSFLSNSVLVFSNFMSVFLPAKPTKT
PTTPPKRTPTKASHAVSVAPEVCRPSGNADPRKLDLACDLYNWAPLVGTSGILLLSL
VITIICHRNRNRRRVCKCPRPVVRQGGKASPSERFI

mRNA

1 gtggagctgc agtgcgagtt gatgcactcc aacacactga caagctgttc ctggtcttac
61 cagaagccgg gggctgcctc caagcccatc ttctcatgt acctctcaa aacccggaat
121 aagacagccg aggggctgga caccggttac atctctggtt acaaggccaa tgacaacttc
181 tacctcatcc tgcaccgctt ccgcgaggag gaccaaggct actatttctg ctggttctg
241 agcaactcgg tttgtattt cagcaacttc atgtccgtct tcttgccagc aaagcccacc
301 aagacgccga ctacgccacc acccaagcgg actcccacca aagcgtcgca cgccgtgtct
361 gtggccccag aggtgtgccg gccttcgggc aacgcagacc cgaggaagct ggacctgcc
421 tgtatctgt acaactgggc gccctggtt gggacctcg gcatccttct cctgtcactg
481 gtcatacca tcatctgcca ccgccgaac agaagacgtg ttgcaaag tccaggccc
541 gtgtcagac agggaggcaa ggccagccct tcagagagat tcatctaaca tggcgacatg
601 cccacgcag cagccactac aagacctcaa actgagacct ctccgggcag gagagcaagg
661 gtctttctt ttccgttcc ccagccttcc ttcttctt aagtattctt ctattatta
721 ttatttccat ggggggtggg tggaagggt gacttttct ttgggtgtt actttaattg
781 acacaaaacg agactctatc acgtcttgg tacgccgag gggttogaac accgttgtgc
841 tcacacacac aacggtgaag ggtgggcggg ccagagctac cgcaagctgt gttctcagaa
901 ccaggctgtg agagctggtg ggggggtggg aggcctcgg caccacaca ggccaaacct
961 ctccccctgc ccccatctt acaaaggaat gaggctgagg ccagagatg gggggtggt
1021 ggatcagagc ccagcaagg ctccaggctc atctccaca gcatttggc ctctctcca
1081 ggggcctctg tctcagctgg gggagctgtg tctccacct caaggaaaca aggtttgctt
1141 gggcacctgt gatagactct gactgtgcc cagagcccc gggaggcaat gcagtaagtc
1201 aaggggacgt gacagaggtc tacggtgcag ttgaacagga tcagatatat tttttaat
1261 aatccagcat gaagtatat agataacagg aattctcaa atagagtga agggctgaac
1321 tgaatctgg aaagtgaaca acacgacctc taaaggaaat ccaatgcaaa aaatcttaa
1381 gtggagacac agtggctctc ccaggggacc catgaaagag gggaagccgc ccttgcaaa
1441 tatgatttga gcatcgcaa agtcgaacgg aggtcgccc tctctaaatg tgagatctga
1501 tatttgaacg tgctctcgg atcattgatg gggtttttg gttgtaaac acagaattat
1561 gaccgagtag ctggcctccc ctggaccagc agctgtggat atggggcaga ctctgatgag

FIGURE 1

1621 gaggctagga gccagactg ctgccctcta cgcgcatc ctccttaac catgtgtac
1681 aagaaatgcg tgctcgctgg aagaaaaaac taaataataa gagtcacca taattcttta
1741 ctctggtat aactcattgt taatattatg gtgtacattc ttctgatta ttcttatgc
1801 acgtatataa aatgtatact tttaaaaaat ggaattgtac tatgcttta gaagtggtt
1861 taataaacat ttctgctatg aaaaaaaaaa a

FIGURE 1

D16536
Felis catus (cat)
Complete CD8 alpha mRNA
Predicted polypeptide

MA SPVTAQLLPLALLLHAAAAAGPSPFRLSPVRVEGRLGQRVEL
QCEVLLSSAAPGCTWLFQKNEPAARPIFLAYLSRSRTKLAEE LDPKQISGQRIQDTLY
SLTLHRFRKEEEGYFCSVVSNSVLYFSAFVPVFLPVKPTTTPAPRPPTQAPITTSQR
VSLRPGTCQPSAGSTVEASGLDLSCDIYWAPLAGTCAFLLLSLVITVICNHRNRRRV
CKCPRPVVRAGGKPSPSERYV

mRNA

1 atggcctctc cggtgactgc ccagctcctg ccgctggcct tgcgtctca tgccgcgca
61 gccgccgggc cgagcccggt ccgcttatcg cccgtgaggg tggagggcag gctcggccag
121 cgggtggagc tgcagtgcga ggtgctgctg tccagcgagg cgccgggctg cacctggctc
181 ttccagaaga acgaacctgc cgcccgcccc atcttcctgg cgtacctctc cagaagccgg
241 accaagtgg ccgaggagct ggaccccaaa cagatctcgg gccagaggat tcaggacacc
301 ctctacagtc tcacctgca cagattccgc aaggaggaag aaggctacta ttctgctcg
361 gtcgtgagca actccgttct gtactcagc gccttcgtcc cggcttctct gccagtcaag
421 cccaccacta cgcccgcgcc gcgaccgccc acgcaggcgc ccatcaccac gtgcagcgg
481 gtgtctctgc gcccggggac ctgccagcct tcagcgggca gcacagtga agcaagtggg
541 ctggatttgt cctgtgacat ctacatctgg gcacccctgg ctgggacctg cgccttcctt
601 ctctgtcgc tggatcatcac cgtcatctgc aaccacagga accgaagacg tgtttgcaa
661 tgtccgaggc ccgtggtcag agcaggaggc aagcctagcc cgtcagagag atacgtctaa
721 catggagatg ggcccatgc accagccact acaagaccaa ataaaactct cttatgagg
781 acagt

FIGURE 1

AY065643

Sigmodon hispidus (Hispid cotton rat)

Complete CD8 alpha mRNA

Predicted polypeptide

MAPRVTRFLCLTLLLEFIAELGGSKDFEMSPKKVVAHLGKEVRL

TCEVWVSTSQGCSWLFLEHGSGVKPTFLIYLSGSRNERNNKIPSTKLSGKKEDDKKYTL

TLNNFAKEDEGYFCSVTSNSVVFSPPLVSVFLPEKPTTPVPKPPTSVPTTAISRSLR

PEACRPGAGTSVEKKGWDFDCDIILAPLAGLCGVLLLSLVTTLICCHRNKRKRVCKCP

RPVVRQGGKPSPSGKLV

mRNA

1 ctctgcttg acctaagctg ctggtggaag cactgccatg gccccccggg tgaccgcgtt
61 tctgtgcctg accctgctgc tgaatttat cgctgagctc ggaggctoga aagatttoga
121 aatgtctct aagaaggtag tgcgccacct tggcaaggag gtgaggctaa catgcgaagt
181 gtgggtgtct acttcgcaag gatgctcttg gctcttctg gagcatggct ccggagttaa
241 acccacttfc ctcatctatc tctctgggag ccgcaacgaa cggaataaca aaataccttc
301 aactaagcta tctgggaaga aggaagacaa aaagtacacc ctacccctga ataattttgc
361 taaggaagac gaaggctact atttctgctc tgtcacaagc aactcggtagg tgtacttcag
421 tcctctctgt tcggtcttfc tgccagagaa acctaccaca ccagtgcga aaccaccac
481 atcagtgcc actacggcga tatctcggtc cctgcgacca gaagcttgcc gacctggagc
541 cggcacctca gtggagaaga agggatggga ctctgactgt gatatcatca ttttggcacc
601 cttagctgga ctctgtgggg tccttctgct gtctctggtc accacactca tctgctgcca
661 caggaacaga aaacgagtct gcaaagtcc caggcccgtg gtcagacaag gaggcaagcc
721 cagccctca gggaaactcg tgtaagatgg cgccaagaaa ctacaactac tacttcagag
781 acctctcat cttagagctc agctctcctt ctcaatttt tctcaccttc ctatatattg
841 ttctttgtat tattttagtg ggggtaggac agggttggaa ccatttctt tctttatgaa
901 ttcactttga cacaaaacaa gaccacataa tgtccacggg ataccataag ggcaggagct
961 gttgctgcgt acatagcatg tgggggaagt acagaacagc tgtctgggtt ctgaggatca
1021 gtggatgac agcaccactc tgatgatcta aatgccctgt ctgccatta tatagaagag
1081 gttgaaggct agaaatgggg tgggcaggat ctgtgcacca ggagagaacc caagctgacg
1141 aaatcctcac tggatggctc agggaacttg cctctatatc ctgagttctc tttattcagg
1201 cctgtgcctg gtagtgtgta ggctgagta

FIGURE 1

AJ130818
Saimiri sciureus (Common Squirrel Monkey)
Complete CD8 alpha mRNA

Predicted polypeptide

MASPV TALL LPLALL HAARPSRFRV SPLDRTWNLGDKVELKCE
VLLSNPSSGCSWLFQKRGAAASPTFLLYISQTKPKVADGLDAQRFSGKKMGDSFILTL
RDFREEDQGFYFCSALSNSIMYFSPFVPVFLPAKPTTTPAPRPPTPEPTTASQPLSLR
PQACRPPAGGAVDTRGLDFACDIYWVPLAGTCGVLLLSLVITVYCNHRNRRRVCKCP
RPAVKSGGKPSPSERYV

mRNA

1 atggcctctc ccgtgaccgc cttgctcctg ccgctggccc tgctgctcca cgctgccagg
61 ccgagccggt tccgggtgtc gccgctggat cggacctgga actggggcga caaggtggag
121 ctgaagtgcg aggtgctgct gtccaacccg tctcgggct gctcgtggct cttccagaag
181 cggggcgctg ccgccagccc caccttctc ctgtacatct cccaaaccaa gcccaaggtg
241 gccgatgggc tggacgcca gcgcttctcc ggcaagaaga tgggggacag cttcattctc
301 accctgcgcg acttccgcga ggaggaccag ggcttctatt tctgctcggc cctgagcaac
361 tccatcatgt acttcagccc cttcgtgccg gtcttctgc cagcgaagcc caccacgacg
421 ccagcgccgc gaccaccac accggagccc accaccgct cgcagcccct gtcctgcgt
481 ccacaggctt gccggccccc ggcggggggc gcagtggaca cgagggggct ggacttcgcc
541 tgtatatct acatctgggt gcccttgcc gggacctgcg gggctcttct cctgtcactg
601 gtcatcacg ttattgcaa tcacaggaac cgacgacgtg ttgcaaagt tccccgcct
661 gcggtcaagt ctggaggcaa gccagccct tcggagagat acgtctaa

Domains of the CD8 α -Chains

Leader

Transmembrane

Human CD8 α -Chain

Protein:

MALPVTALLL	PLALLLHAAR	PSQFRVSPLD	RTWNLGETVE	LKCQVLLSNP
TSGCSWLFQP	RGAAASPTFL	LYLSQNKPKA	AEGLDTQRFS	GKRLGDTFVL
TLSDFRRENE	GYIFCSALSN	SIMYFSHFVP	VFLPAKPTTT	PAPRPPTPAP
TIASQPLSLR	PEACRPAAGG	AVHTRGLDEA	<u>CDIYIWAPLA</u>	<u>GTCGVLLLSL</u>
<u>VITLYCNHRN</u>	RRRVCKCPRP	VVKSGDKPSL	SARYV	

mRNA - coding

atggccttac	cagtgaccgc	cttgctcctg	ccgctggcct	tgetgctcca
cgccgcccagg	ccgagccagt	tccgggtgtc	gccgctggat	cggacctgga
acctgggcca	gacagtggag	ctgaagtgcc	aggtgctgct	gtccaaccgc
acgtcgggct	gctcgtggct	cttccagccg	cgcgggcgccg	ccgccagtcc
caccttcctc	ctatacctct	cccaaaacaa	gccaagggcg	gccgaggggc
tggacacca	gcggttctcg	ggcaagaggt	tgggggacac	cttcgtcctc
accctgagcg	acttccgccc	agagaacgag	ggctactatt	tctgctcggc
cctgagcaac	tccatcatgt	acttcagcca	cttcgtgccg	gtcttcctgc
cagcgaagcc	caccacgacg	ccagcgccgc	gaccaccaac	accggcgccc
accatcgcg	cgcagcccct	gtccctgcgc	ccagaggcgt	gccggccagc
ggcggggggc	gcagtgcaca	cgagggggct	ggacttcgcc	tgtgatatact
<u>acatctgggc</u>	<u>gcccttggcc</u>	<u>gggacttggtg</u>	<u>gggtccttct</u>	<u>cctgtcactg</u>
<u>gttatcacc</u>	<u>tttactgcaa</u>	<u>ccacaggaac</u>	<u>cgaagacgtg</u>	<u>tttgcaaata</u>
tccccggcct	gtggtcaaata	cgggagacaa	gcccagcctt	tggcgagat
acgtctaa				

Figure 2A

mouse CD8 α -Chain

Protein:

MASPLTRFLS	LNLLLLGESI	ILGSGEAKPQ	APELRIFPKK	MDAELGQKVD
LVCEVLGSVS	QGCSWLFQNS	SSKLPQPTFV	VYMASSHNKI	TWDEKLNSSK
LFSAMRDTNN	KYVLTlnKFS	KENEGYYFCS	VISNSVMYFS	SVVPVLQKVN
STTTKPVLRT	PSPVHPTGTS	QPQRPEDCRP	RGSVKGTGLD	<u>FACDIYIWAP</u>
<u>LAGICVALLL</u>	<u>SLIITLICyh</u>	<u>RSRKRvCKCP</u>	<u>SIACLCLKLQ</u>	<u>GSKWYESVIC</u>
SALAVSIRCn	KSKSGELPLA	VHLDIRAPCK	NWEIAGSLVE	RYGKSGKHSP
LSLKAVVESN				

mRNA - Coding

atggcctcac	cgttgacccg	ctttctgtcg	ctgaacctgc	tgctgctggg
tgagtcgatt	atcctgggga	gtggagaagc	taagccacag	gcacccgaac
tccgaatcct	tccaaagaaa	atggacgccg	aacttggtca	gaaggtggac
ctggtatgtg	aagtgttggg	gtccgtttcg	caaggatgct	cttggtctct
ccagaactcc	agctccaaac	tccccagcc	caccttcgtt	gtctatatgg
cttcatccca	caacaagata	acgtgggacg	agaagctgaa	ttcgtcgaaa
ctgttttctg	ccatgaggga	cacgaataat	aagtacgttc	tcaccctgaa
caagttcagc	aaggaaaacg	aaggctacta	tttctgctca	gtcatcagca
actcggtgat	gtacttcagt	tctgtcgtgc	cagtccttca	gaaagtgaac
tctactacta	ccaagccagt	gctgcgaact	ccctcacctg	tgacccctac
cgggacatct	cagccccaga	gaccagaaga	ttgtcggccc	cgtggctcag
tgaaggggac	cggattggac	ttcgctgtg	<u>atattttacat</u>	<u>ctgggcaccc</u>
<u>ttggccggaa</u>	<u>tctgcgtggc</u>	<u>ccttctgctg</u>	<u>tccttgatca</u>	<u>tcactctcat</u>
ctgctaccac	aggagccgaa	agcgtgtttg	caaagtgtccc	agtatagcat
gcttgtgcct	caaactgcaa	ggaagcaagt	ggtatgaatc	tgtgatctgc
tcagctctgg	ctgtgagcat	cagatgtaac	aatcaaagt	caggagaact
gcctttagcg	gtgcacctgg	acatcagagc	cccttgtaag	aactgggaaa
ttgctggcag	tctagtggag	cggtagcgta	aatctggaaa	acactcccct
ctgtcactga	aggctgtagt	agaatccaat	taa	

Figure 2B

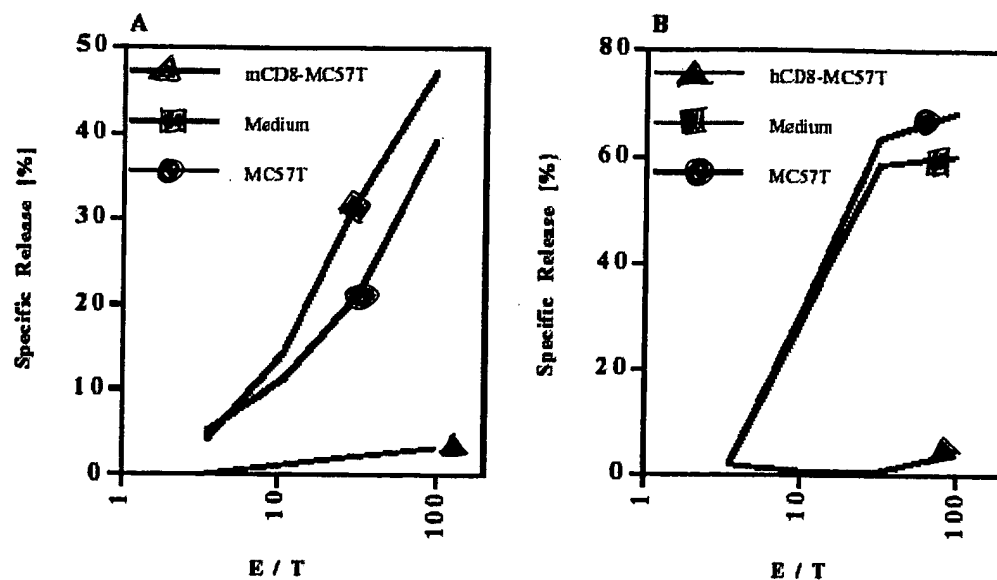
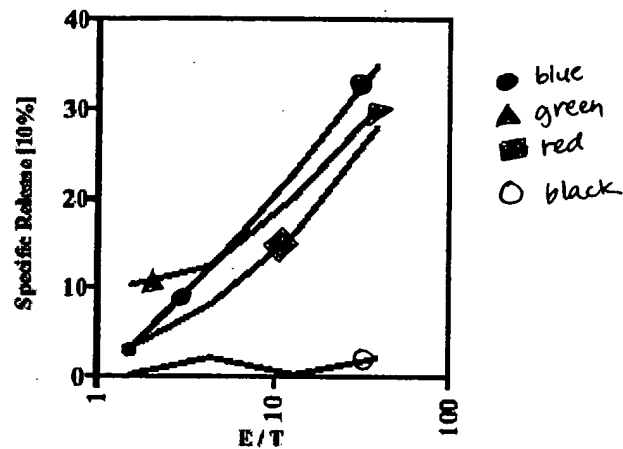


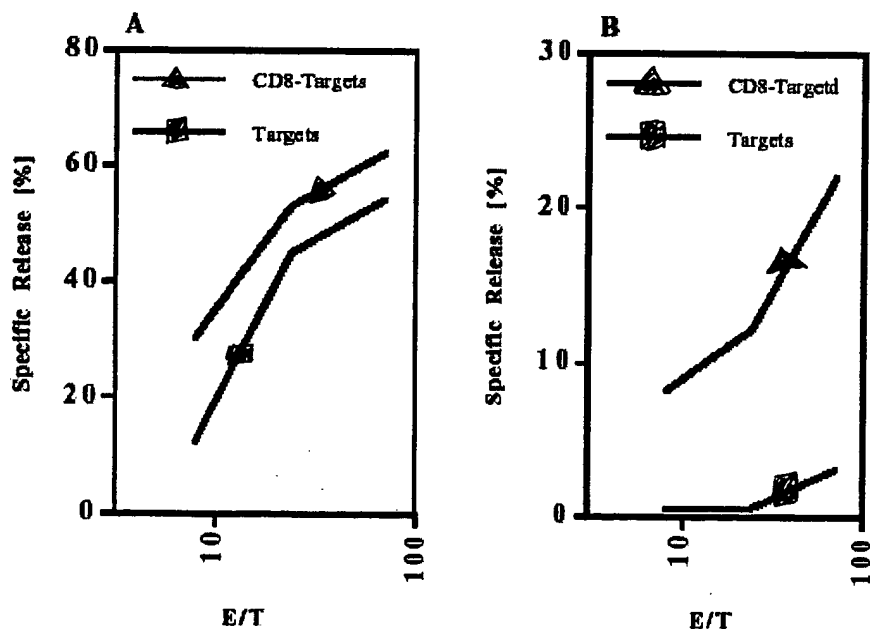
Figure 3: Balb/c spleen cells were stimulated with C57BL/6 spleen cells. Cultures were supplemented with normal fibroblasts (blue), medium (red) or fibroblasts with CD8 (green) of mouse (A) or human (B) origin. Cultures were harvested and tested for their lytic ability towards C57BL/6-derived target cells.

Figure 3



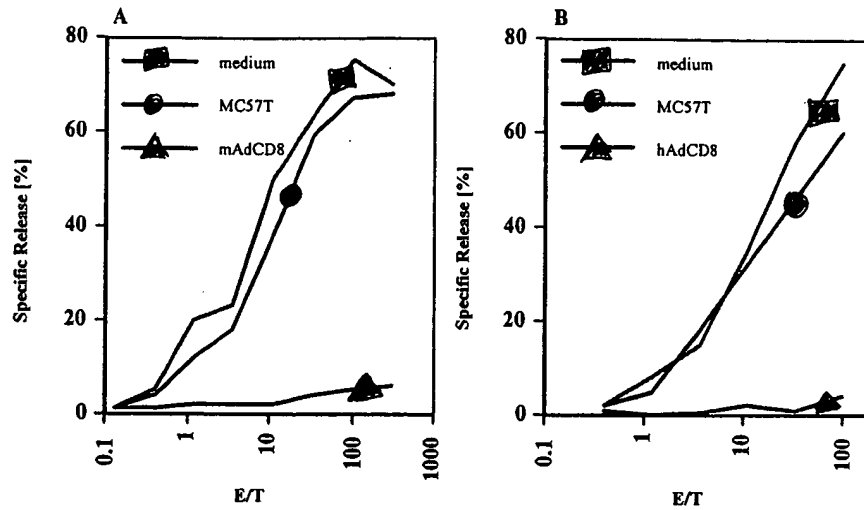
Balb/c (H-2d) mice were injected with control fibroblasts (red and green) or mCD8-transfected C57BL/6 (H-2b) derived (black and blue) fibroblasts. After two weeks animals were sacrificed, spleen cells were harvested, stimulated with C57BL/6 (H-2b) (red and black) or CBA/J (H-2k) (blue and green) spleen cells and tested for their lytic ability on EL4 (H-2b) (red and black) or S.AKR (H-2k) (blue and green) target cells.

Figure 4



Target cells (green) or CD8-expressing targets (red) were tested for their susceptibility to lysis by alloreactive T cells (A) or by antigen-specific CTLs (B).

Figure 5



Circle MLCs (Balb/c anti-C57BL/6) were set up in the presence of normal fibroblasts (blue) and fibroblasts transduced with mAdCD8 (A, green) or hAdCD8 (B, green). No fibroblasts were added to control cultures (red). The lytic activity of these cultures towards an C57BL/6-derived target was determined at the end of the culture period. triangle

Figure 6



FIGURE 7

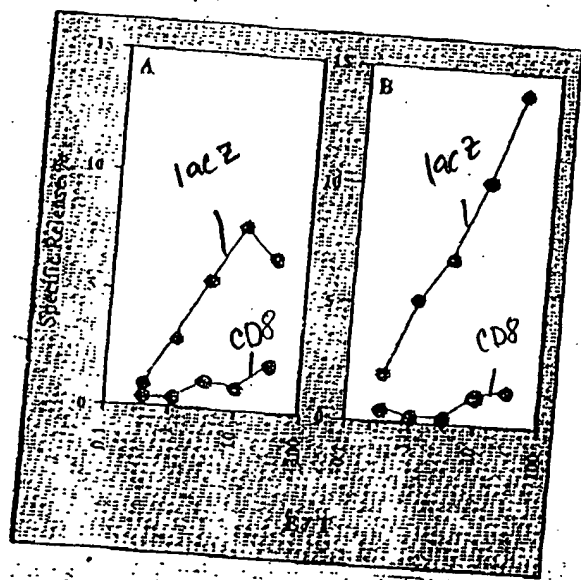
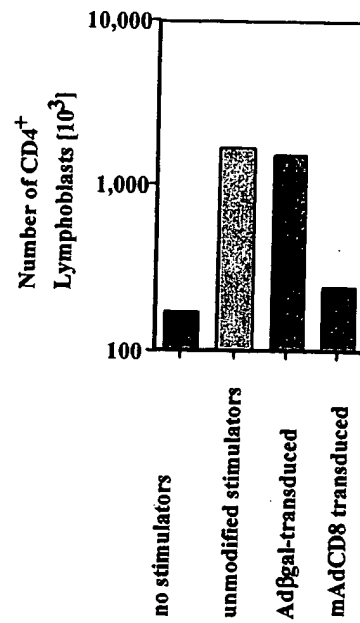


FIGURE 8



3x10⁶ C7Bl/6 spleen cells were incubated with 1x10⁶ (or no) stimulator cells, transduced as indicated. After 4 days the cultures were analyzed for presence CD4⁺ T lymphoblasts by immunofluorescence.

Figure 9

FIGURE 10A

Infected Cells: MC57T Fibroblasts
Panel 1: Mock-Infection; Panel 2: Infection with hAdCD8

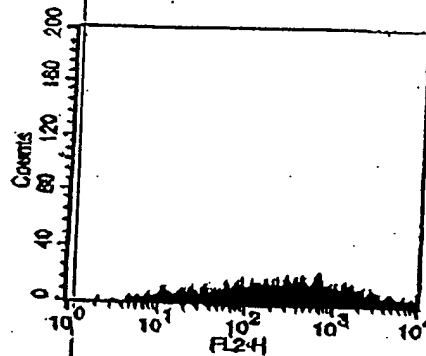
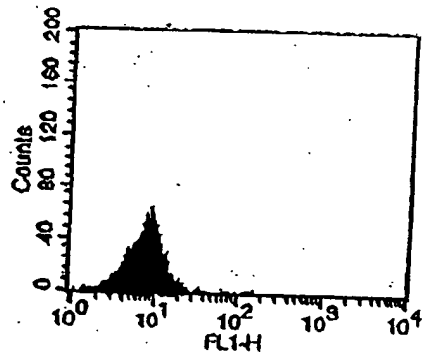


FIGURE 10B

Infected Cells: MC57T Fibroblasts
Panel 1: Mock-Infection; Panel 2: Infection with mAdCD8

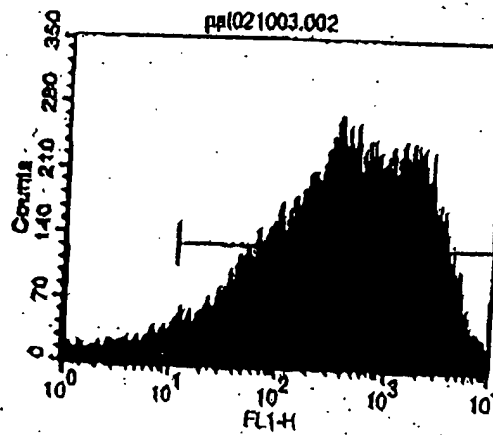
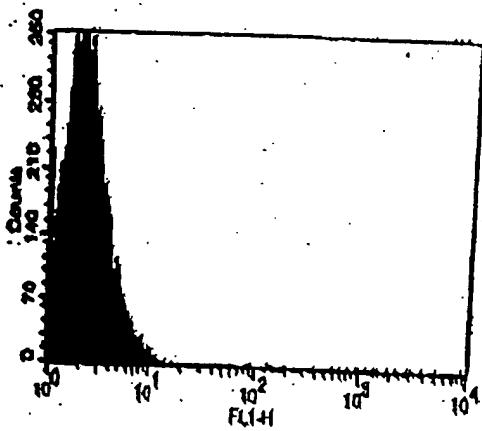


FIGURE 10C

Infected Cells: Balbc unselected bone marrow cells;
Panel 1: Infection with lacZ/Adenoviral Vector (AdLacZ);
Panel 2: Infection with mAdCD8

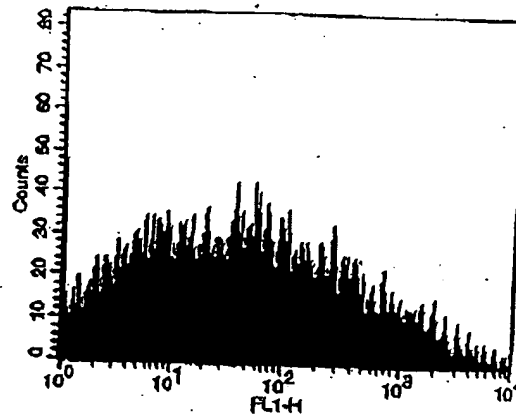
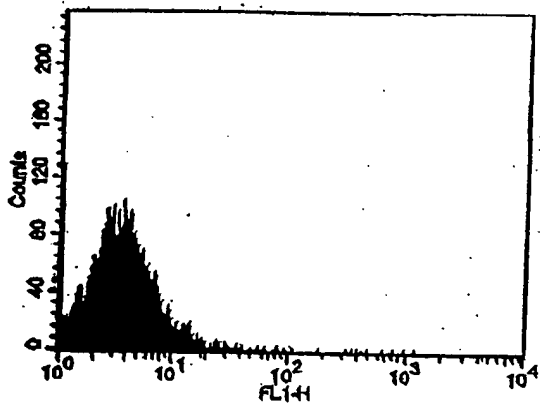
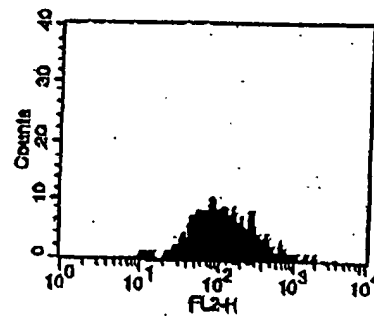
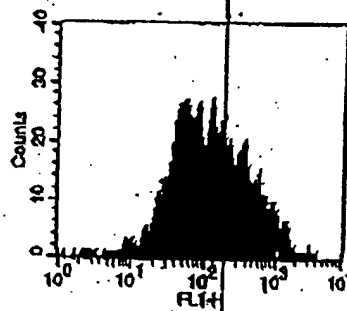
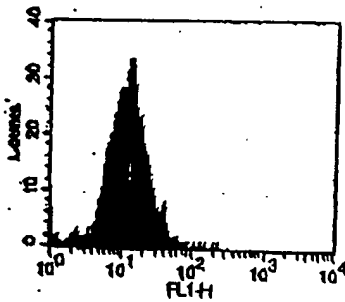
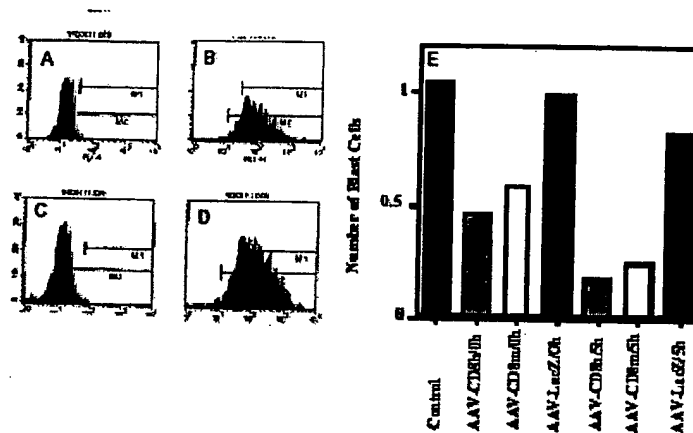


FIGURE 10D

Infected Cells: MC57T Fibroblasts
Panel 1: Mock-Infection;
Panel 2: Infection with pAAV-mCD8;
Panel 3: Infection with pAAV-hCD8





Fibroblasts were transduced with mAAVCD8 (B) or hAAVCD8 (D) or mock-infected (A and C). Surface expression of CD8 was detected by surface immunofluorescence (A through D). MLCs (Balb/c anti-C57BL/6) were set up in the presence of these fibroblasts that had been cultured for 0 or 5 hours after transduction before they were added to the MLCs. At end of cultures, the number of lymphoblasts was determined on a fluorescence activated cell analyzer.

Figure 11

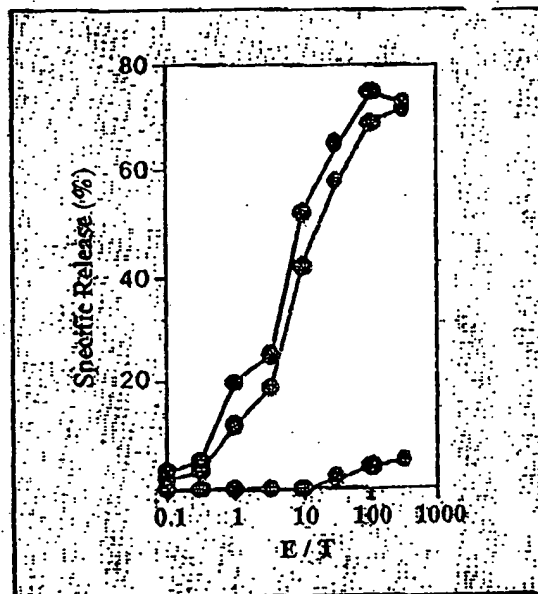
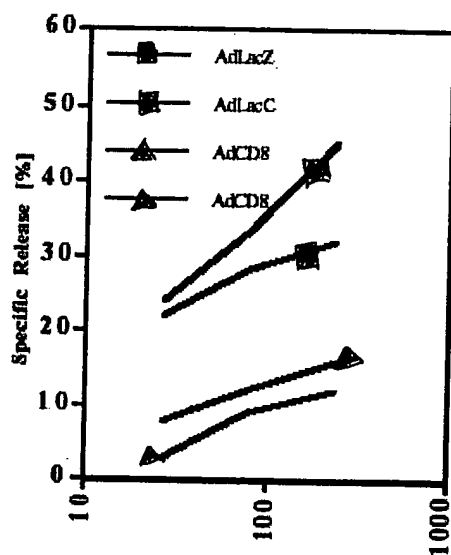
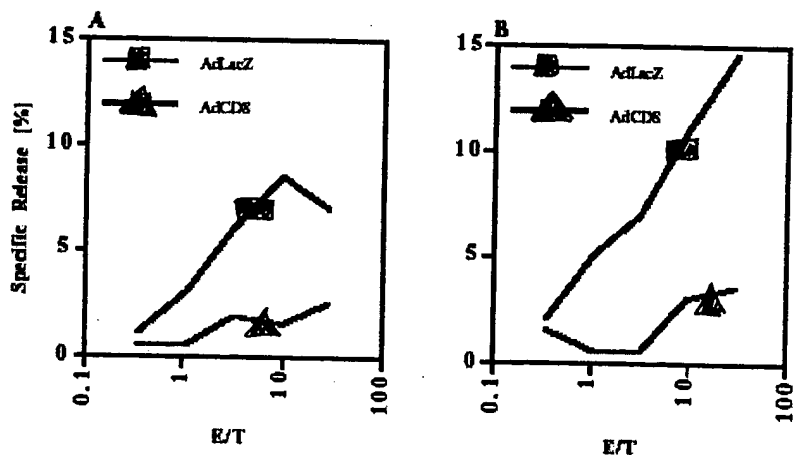


FIGURE 12



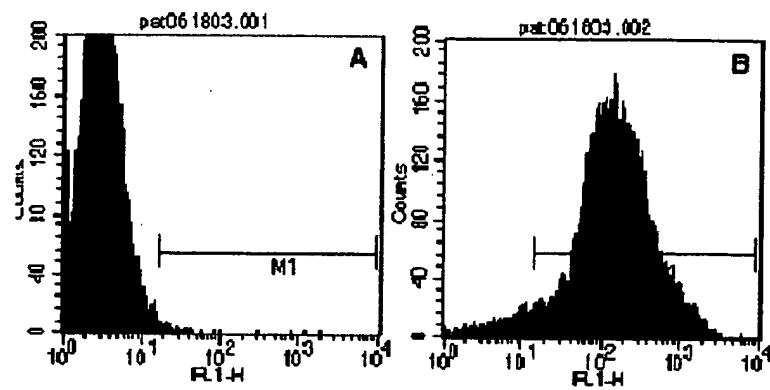
triangle Balb/c mice were immunized with AdLacZ (green) or mAdCD8 (red). Their spleen cells were cultured in the presence of AdLacZ and tested for specific lytic activity against AdLacZ-infected syngeneic P815 target cells.

Figure 13



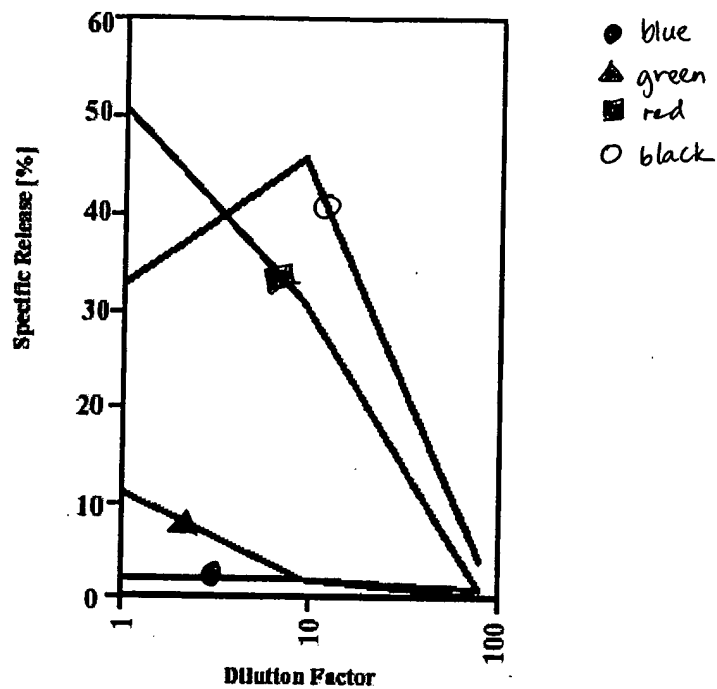
(A) C57BL/6 animals were immunized with AdLacZ (red) or mAdCD8 (green). Their lytic activity of their spleen cells towards syngeneic AdLacZ EL4 target cells was tested. (B) Such animals were re-immunized with AdLacZ prior to testing their lytic activity against AdLacZ-infected EL4 targets.

Figure 14A-B



Single cell suspensions were prepared from newborn hearts. The heart muscle cells were transduced with mAdCD8 (B) or mock-infected, cultured for 48 hours and stained for the surface expression of CD8.

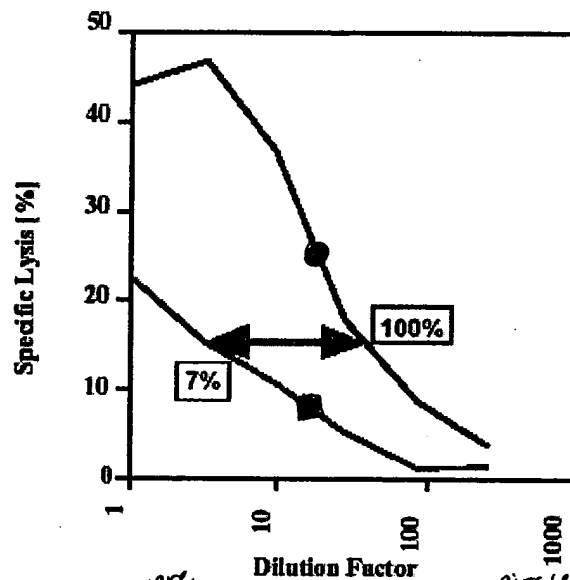
Figure 15



square: Newborn C57BL/6 hearts were infected with 10^9 (red), 5×10^7 (green), 10^7 (blue) PFU AdCD8 or mock-infected (black). Thirtyfive days after transplantation into BALB/c recipients, the activity of the lytic activity of activated recipient T cells was tested on donor-type target cells.

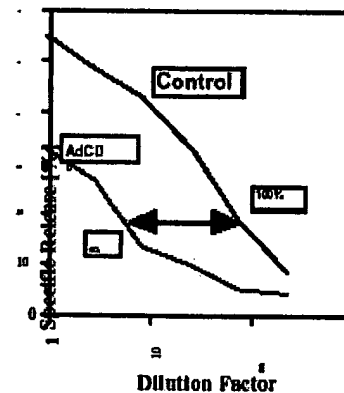
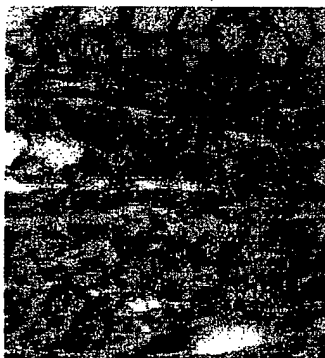
open circle

Figure 16



square Newborn C57BL/6 hearts were infected with AdCD8 (red) or mock-infected (black). Thirtyeight days after transplantation into BALB/c recipients, the activity of the lytic activity of activated recipient T cells was tested on donor-type target cells. *circle*

Figure 17



Animal: #725-

1.

C57BL/6 hearts infected with mAdCD8 (treated) or mock-infected (control) were transplanted into Balb/c mice. After 52 days, the animals were sacrificed and the tissue was stained (HE) and the lytic activity of recipient T cells was tested on donor-type target cells.

Figure 18

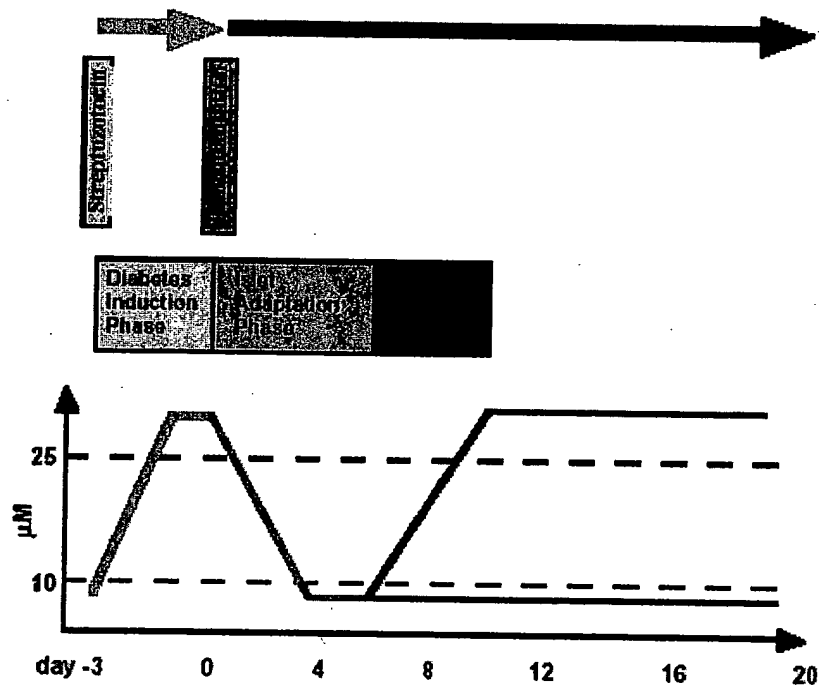


Fig. 19 Pancreatic islet transplantation protocol.

Figure 19

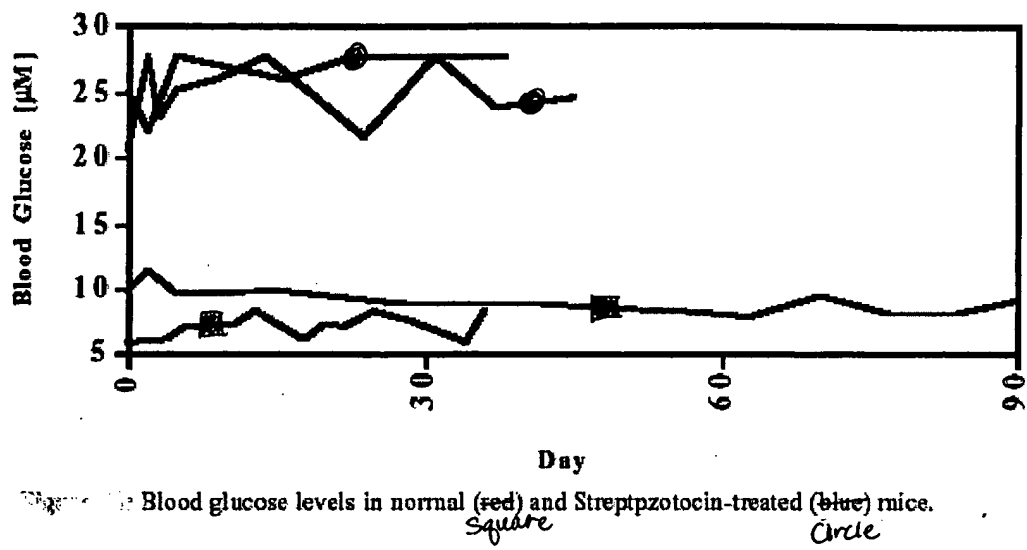


Figure 20

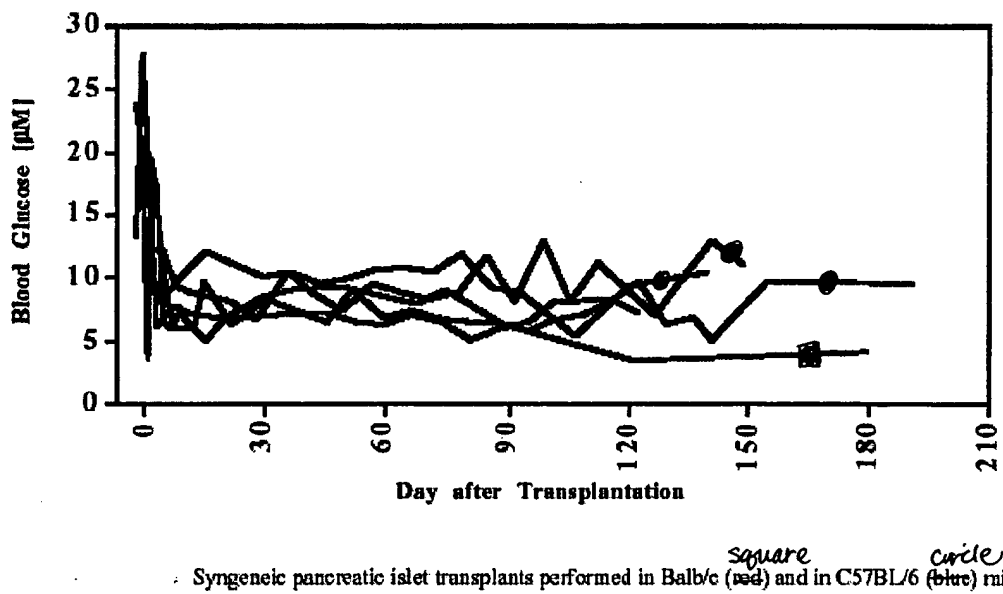


Figure 21

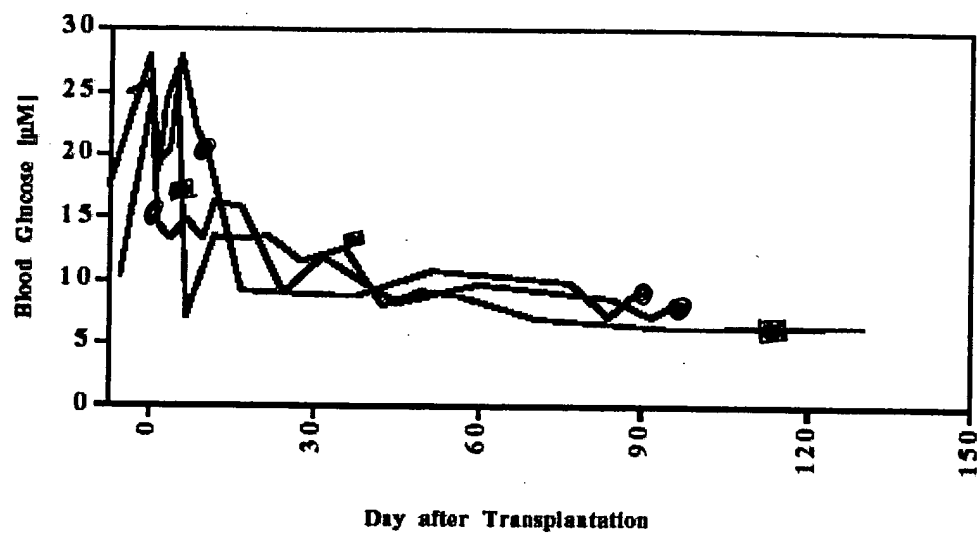


Figure 22: Transplantation of syngeneic mAdCD8-transduced pancreatic islets harvested from Balb/c (blue) or C57BL/6 (red) mice.
circle square

Figure 22

Allogeneic Islet Transplantation

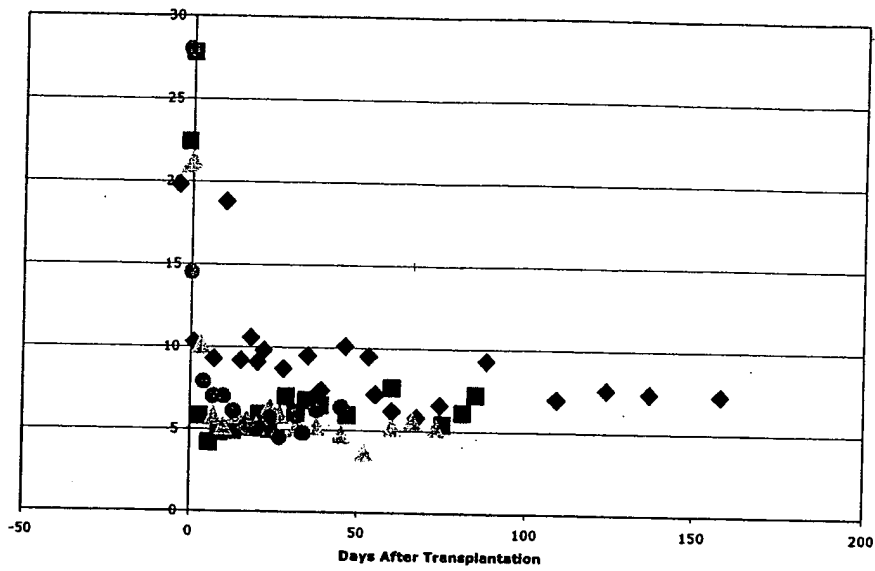


Figure 23

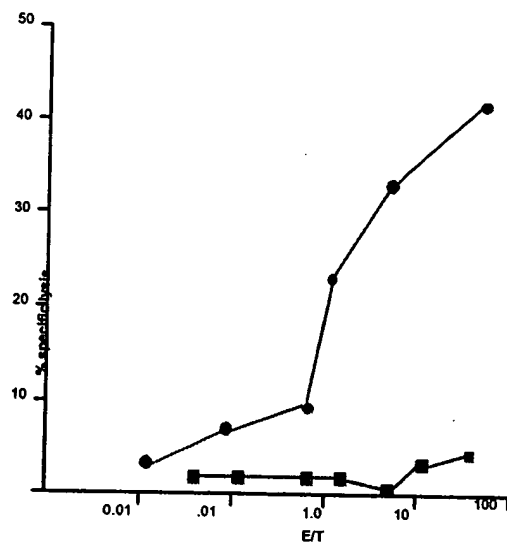
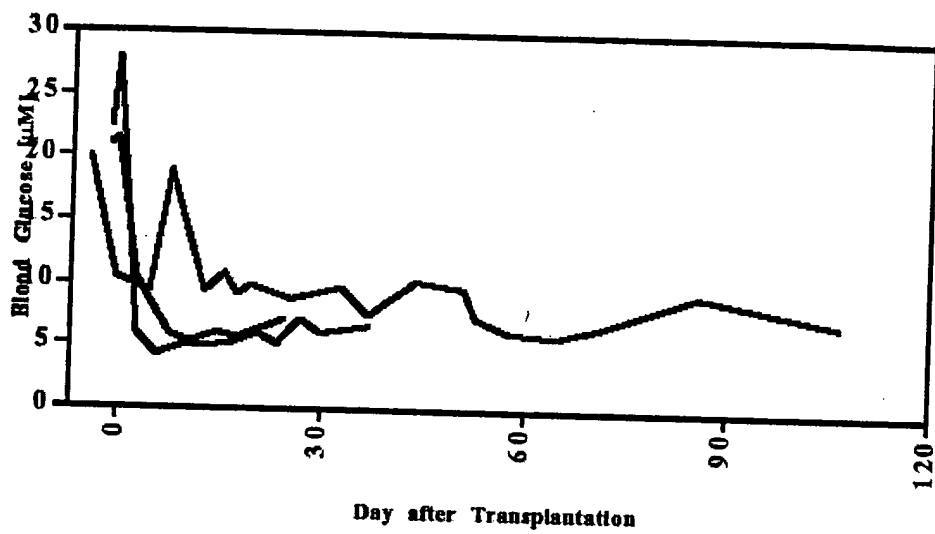


Figure 24



mAdCD8-transduced C57BL/6 pancreatic islets were transplanted into Balb/c recipient mice.

Figure 25